Pizza Sales Dashboard MySQl + Power BI Project

Import Data in SQL

you can directly use a flat file connection or CSV file connections because the data which we are having is a CSV file and you can directly use that file to uh you know connect with powerband you can build the same reports

Use csv files not Excel or Xlsx

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SQL Queries for KPI's

SELECT SUM(total_price) AS Total_Revenue FROM pizza_sales;

	Total_Revenue
1	817860.05083847

SELECT SUM(total_price) / COUNT(DISTINCT order_id) AS Avg_Order_Value FROM pizza_sales;

	Avg_Order_Value
1	38.307282343546

SELECT SUM(quantity) AS Total_Pizza_Sold FROM pizza_sales;

	Total_Pizza_Sold
1	49574

SELECT COUNT(DISTINCT order_id) AS Total_Orders FROM pizza_sales;

	Total_Orders
1	21350

Average Pizza Per Order

SELECT CAST(CAST(SUM(quantity) AS DECIMAL(10,2)) /
CAST(COUNT(DISTINCT order_id) AS DECIMAL(10,2)) AS DECIMAL(10,2)) AS Average_Pizza_Per_Order FROM pizza_sales

	Average_Pizza_Per_Order
1	2.32

Problem Statement

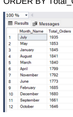
Daily Trend for Total Orders We have used DATENAME FUNCTION

SELECT DATENAME(DW, order_date) AS Order_Day, COUNT(DISTINCT order_id) AS Total_Orders
FROM pizza_sales
GROUP BY DATENAME(DW, order_date)

	Order_Day	Total_Orders
1	Saturday	3158
2	Wednesday	3024
3	Monday	2794
4	Sunday	2624
5	Friday	3538
6	Thursday	3239
7	Tuesday	2973

Monthly Trend for Total Orders

SELECT DATENAME(MONTH, order_date) AS Month_Name, COUNT(DISTINCT order_id) AS Total_Orders
FROM pizza_sales
GROUP BY DATENAME(MONTH, order_date)
ORDER BY Total_Orders DESC

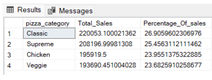


	Month_Name	Total_Orders
1	July	1935
2	May	1853
3	January	1845
4	August	1841
5	March	1843
6	April	1789
7	November	1779
8	June	1773
9	February	1685
10	December	1680
11	September	1661
12	October	1646

Percentage Of Sales By Pizza Category

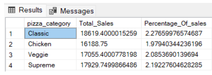
Group by Categorical Dimensions Whatever we are using Ex. Pizza_Category

SELECT pizza_category, SUM(total_price) AS Total_Sales, SUM(total_price) * 100 / (SELECT SUM(total_price) FROM pizza_sales) AS Percentage_Of_sales
FROM pizza_sales
GROUP BY pizza_category
ORDER BY Percentage_Of_sales DESC



	pizza_category	Total_Sales	Percentage_Of_sales
1	Classic	220053.100021362	26.9059602306976
2	Supreme	208196.99981308	25.4563112111462
3	Chicken	195919.5	23.9551375322885
4	Veggie	193690.451004028	23.6825910258677

SELECT pizza_category, SUM(total_price) AS Total_Sales, SUM(total_price) * 100 / (SELECT SUM(total_price) FROM pizza_sales) AS Percentage_Of_sales
FROM pizza_sales
WHERE MONTH(order_date)=1
GROUP BY pizza_category



	pizza_category	Total_Sales	Percentage_Of_sales
1	Classic	18619.4000015259	2.27659976574687
2	Chicken	16188.75	1.97940344236196
3	Veggie	17055.4000778198	2.08536901139694
4	Supreme	17929.7496866486	2.19227604628285

WHERE MONTH(order_date)=1 it shows the data of january month

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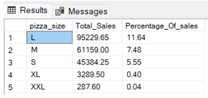
Percentage Of Sales By Pizza Size

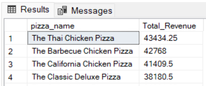
SELECT pizza_size, CAST(SUM(total_price) AS DECIMAL(10,2)) AS Total_Sales, CAST(SUM(total_price) * 100 / (SELECT SUM(total_price) FROM pizza_sales) AS DECIMAL(10,2)) AS Percentage_Of_sales
FROM pizza_sales
WHERE DATEPART(quarter,order_date)=1
GROUP BY pizza_size
ORDER BY Percentage_Of_sales DESC



	pizza_size	Total_Sales	Percentage_Of_sales
1	L	95229.65	11.64
2	M	61159.00	7.48
3	S	45384.25	5.55
4	XL	3289.50	0.40
5	XXL	287.60	0.04

TOP 5 PIZZA BY REVENUE

SELECT TOP 5 pizza_name, SUM(total_price) AS Total_Revenue FROM pizza_sales
GROUP BY pizza_name
ORDER BY Total_Revenue DESC



	pizza_name	Total_Revenue
1	The Thai Chicken Pizza	43434.25
2	The Barbecue Chicken Pizza	42768
3	The California Chicken Pizza	41409.5
4	The Classic Deluxe Pizza	38180.5
5	The Spicy Italian Pizza	34831.25

TOP 5
It's Shows The Top 5 Entries of the Desired data

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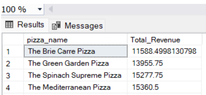
BOTTOM 5 PIZZA BY REVENUE

SELECT TOP 5 pizza_name, SUM(total_price) AS Total_Revenue FROM pizza_sales
GROUP BY pizza_name
ORDER BY Total_Revenue ASC



	pizza_name	Total_Revenue
1	The Brie Carre Pizza	11588.4968130798
2	The Green Garden Pizza	13955.75
3	The Spinach Supreme Pizza	15277.75
4	The Mediterranean Pizza	15360.5
5	The Spinach Pesto Pizza	15596

BOTTOM 5
It's Shows The Bottom 5 Entries of the Desired data
Ascending Data
if we dont write anything then it will be automatically sort the data in ascending order

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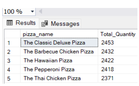
TOP 5 PIZZA BY QUANTITY

SELECT TOP 5 pizza_name, SUM(quantity) AS Total_Quantity FROM pizza_sales
GROUP BY pizza_name
ORDER BY Total_quantity DESC



	pizza_name	Total_Quantity
1	The Classic Deluxe Pizza	2453
2	The Barbecue Chicken Pizza	2432
3	The Hawaiian Pizza	2422
4	The Pepperoni Pizza	2418
5	The Thai Chicken Pizza	2371

BOTTOM 5 PIZZA BY QUANTITY

SELECT TOP 5 pizza_name, SUM(quantity) AS Total_Quantity FROM pizza_sales
GROUP BY pizza_name
ORDER BY Total_quantity ASC

	pizza_name	Total_Quantity
1	The Brie Carre Pizza	490
2	The Mediterranean Pizza	934
3	The Calabrese Pizza	937
4	The Spinach Supreme Pizza	950
5	The Soppressata Pizza	961

Import Data FROM SQL SERVER

SQL Database
SERVER- DSDAKOTA18\SQLEXPRESS
DATABASE- Pizza DB
LOAD

Data Cleaning in Power Query

Home/Transform Data/Power Query
Replace Values

Building KPI's

Writing DAX functions and make KPI's

Take Column Chart to display the sales by Week Day Name and for that we went in the **transform data** to make a new column from **Order_date and we took Day name from that.**